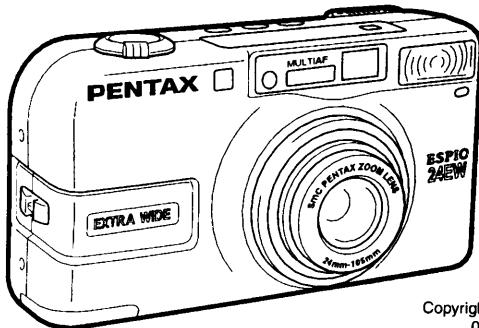


PENTAX

PENTAX
ESPIO 24EW
QUARTZ DATE

OPERATING MANUAL



57231

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The CE Mark is a Directive conformity mark of the European Community.



For Customers In USA

STATEMENT OF FCC COMPLIANCE

This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. Changes or modifications not approved by the party responsible for compliance could void the user's authority to operate the equipment. This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures: Reorient or relocate the receiving antenna. Increase the separation between the equipment and receiver. Consult the dealer or an experienced radio/TV technician for help.

For Customers in Canada

This Class B digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations.

SPECIFICATIONS

Type: 35 mm fully automatic lens-shutter with built-in zoom lens and auto flash

Film: Auto film speed setting with 35 mm perforated DX-coded film with ISO rating from 25-3200 (1EV step). Non-DX coded films are set to ISO 25

Format: 24 x 36 mm (Approx. 13 x 36 mm in panorama format)

Film loading: Auto film loading. Closing the back cover will automatically wind the film to first frame.

Film winding: Auto film winding.

Film rewinding: Auto film rewinding at the end of roll. Auto stop upon completion of rewinding. Rewinding time: approx. 25 sec. with 24-exposure film.

Rewinding in mid-roll provided.

Frame number: Automatic readout of successive frame numbers in ascending order when shooting, and descending order when rewinding.

External Display: LCD (Liquid Crystal Display)

Lens: 24-105 mm f/4.9-12.5, 7 elements in 5 groups, Angle of view: 84-23.5°

Focusing system: Pentax phase-matching passive 7 point autofocus (at WIDE), Landscape mode, Spot AF, Portrait, Focus lock, AF illuminator, Autofocusing range: 0.3 m (1 ft) at Wide-angle and 0.5 m (1.6 ft) at Telephoto -Infinity (Macro zoom mode), Maximum magnification: approx. 0.27X (Equivalent to A6 size)

Zooming: Electronic zoom

Shutter: Programmed AE electronic shutter with speed approx. 1/4000-2 sec. Bulb: 1/2 sec. -1 min., Bulb timer: 1 sec-5 min. Electromagnetic release.

Self-timer: LED lamp indication. Delay time approx. 10 sec. Cancellation after activation is possible.

Viewfinder: Actual image zoom viewfinder. 80% of field of view ratio,

Magnification: 0.28X (24 mm WIDE) - 1.10X (105 mm TELE), Diopter adjustment range: -3 m⁻¹ +1 m⁻¹ (per meter)

Frame: Autofocus frame, Picture frame, Close distance compensation frame, Panorama frame Green icon lamp lit: in-focus, Green icon blinks: out of focus or hard-to-autofocus subject.

Red lamp lit: Flash is charged,

Red lamp blinks: Flash is charging.

Exposure control: Programmed AE control (Multi segment metering, AE compensation in a back light situation)

Range: EV10-17 at WIDE, EV13.5-EV19 at TELE in Auto or Daylight-Sync mode (ISO 400),

EV6- EV17 at WIDE, EV6-EV19 at TELE in Slow Shutter Speed mode (ISO 400)

Exposure meter switch: shutter release button Exposure compensation: Exposure compensation button and zoom button. Range: -3.0 ~ +3.0 (0.5 steps)

Bulb timer: Set exposure time with exposure compensation button and zoom button in Bulb timer mode. Setting time: 1 sec., 5 sec., 10 sec., 15 sec., 30 sec., 1 min., 2 min., 3 min., 4 min., and 5 min..

Flash: Built-in zoom flash with red-eye reduction, Automatic flash discharge in low light and back light situations in Auto mode. Flash ON=Day-light Sync,

Slow Shutter Speed Sync. (up to 1/2 sec.), Automatic soft flash, Bulb sync Flash (1/2 sec.-1 min.)

Flash effective range: 0.3 ~ 6.8 m (1.22-23 ft) (WIDE), 0.5-3.0 m (1.64-9.84 ft) (TELE) (ISO 400 film used).

Flash recycling time: Approx. 5 sec. (under Pentax testing conditions.)

Date module: Crystal quartz controlled LCD digital clock, auto calendar up to the year 2100.

Date imprint on 35 mm format and panorama format from the front side of film.

Display of the last date a photograph was taken.

Imprinting mode: "Year, Month, Day", "Day, Hour, Minute", "-----(no imprint), "Month, Day, Year", or "Day, Month, Year".

Power source: One 3V lithium battery (CR2 or equivalent)

Battery life: Approx. 8 rolls of 24-Exposure film when 50% of shooting uses flash (under Pentax testing conditions)

Battery exhaustion warning: (—) appears on the LCD panel. Shutter is locked when (—) is blinking.

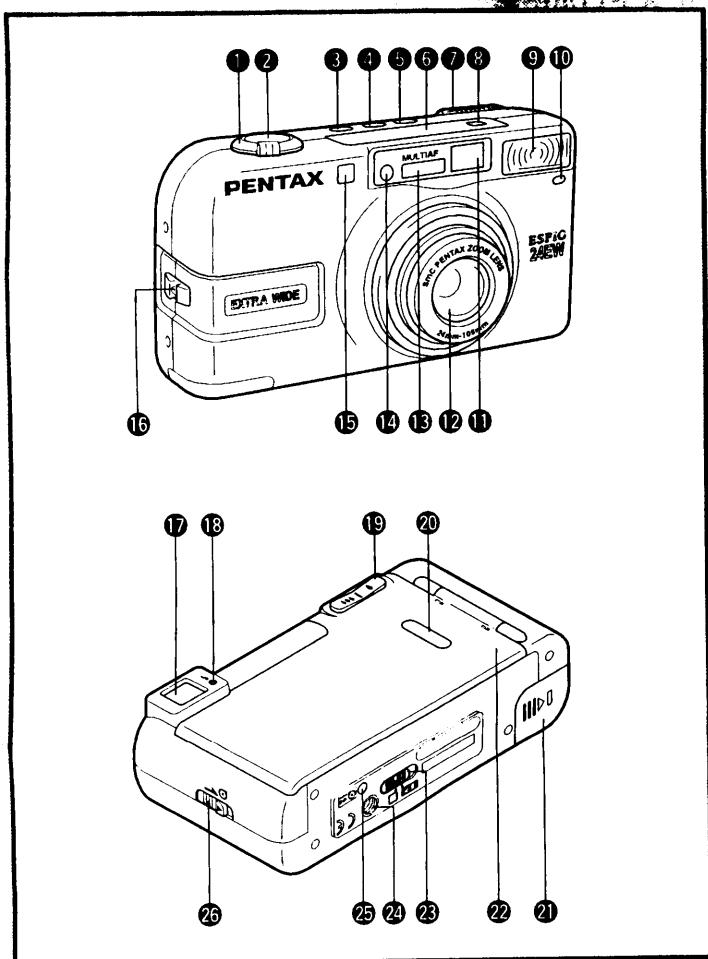
Size & Weight: 113 (W) x 62 (H) x 41 (D) mm (4.4" x 2.4" x 1.6") 195 g (6.9 oz) without battery

Optional Remote control: Infrared remote control. Release the shutter after about 3 sec. Works up to 3 m in front of the camera.

SPECIFICATIONS AND EXTERNAL DIMENSIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE.

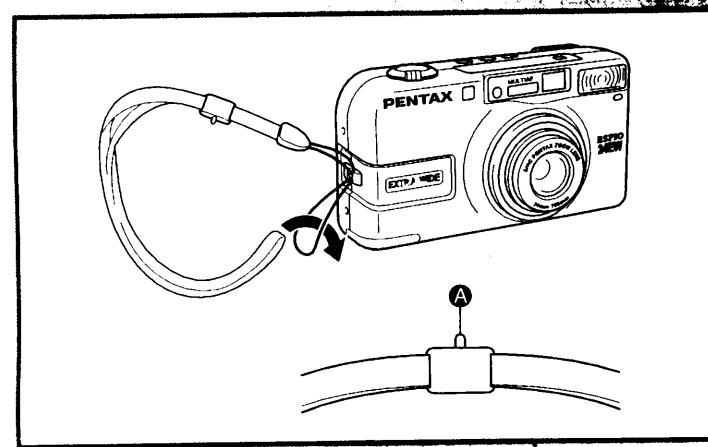
Congratulations on your purchase of the PENTAX ESPIO 24EW and welcome to the world of Pentax zoom compact photography! Your compact, light weight camera is a great companion to preserve your favorite memories.

- Please read this manual carefully before operating the camera to ensure you understand the features and capabilities of this camera.
- Please read the Pentax User's Safety Guide before using the camera for safe operation.
- The illustrations used in this manual may differ from the camera's actual appearance.
- The characteristics of zoom compact with wide angle lens may lead darkening or distortion at the edges in some photograph subjects.

1

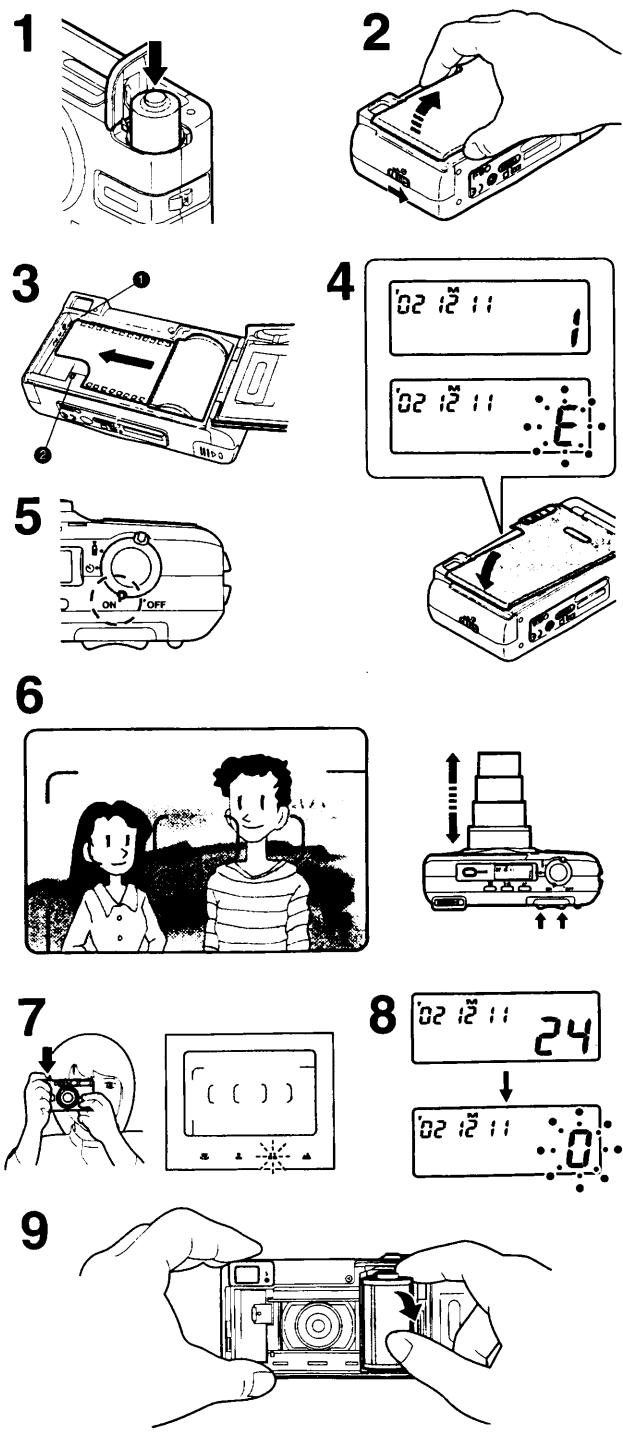
1 NAMES OF WORKING PARTS

- ① Main / Drive switch ② Shutter release button
- ③ AF button ④ Flash / Bulb button
- ⑤ Exposure compensation button ⑥ LCD panel
- ⑦ Diopter adjustment lever
- ⑧ Date button ⑨ Built-in flash
- ⑩ Self-timer lamp ⑪ Viewfinder window
- ⑫ Lens ⑬ Autofocus window
- ⑭ Light sensor window
- ⑮ Remote control receiver
- ⑯ Strap lug ⑰ Viewfinder eyepiece
- ⑱ Red lamp ⑲ Zoom button
- ⑳ Film information window
- ㉑ Battery chamber cover ㉒ Back cover
- ㉓ Panorama switch ㉔ Tripod socket
- ㉕ Mid-roll rewind button
- ㉖ Back cover release lever

2

2 STRAP ATTACHMENT

- Fit the strap on the camera as illustrated.
- * Protrusion ● can be used for pushing the mid-roll rewind button.

3

3 BASIC OPERATION

- 1 Insert the battery with the plus (+) side up in accordance with the indication label in the battery chamber. Use one 3V Lithium Battery (CR2 or the equivalent)
- Setting the date and time. Refer to the section "4 IMPRINTING DATE/TIME".
- 2 Open the back cover.
- 3 Load the film. Pull out the film leader end to reach the [FILM▼] mark ①. If there is dirt on the film detector ②, the film cannot be wound properly.
- 4 Close the back cover.
- The film automatically advances to the first frame.
- If "E" blinks on the LCD panel, repeat step 2-4 to load the film properly.
- 5 Turn the Main/Drive switch to the ON position.
- 6 Adjust the focus frame in the middle of the viewfinder to optimum clarity by diopter adjustment lever. Compose your subject by using the zoom button and focus on the subject within the autofocus frame.
- 7 Press the shutter release button halfway down to confirm the focus with green icon lamp lights on, and press the shutter button completely to take a picture. The flash automatically discharges in low light condition.
- 8 The film will be rewound automatically after you have exposed the last frame of the roll.
- 9 Unload the film after confirm "0" blinks on the LCD panel.

- When the power on, the lens slightly extends and the lens cover opens.
- When the camera is left unused for 3 minutes and the lens is extended longer than 35 mm focal length position with the power on, automatically retract the zoom lens to 35 mm to prevent it from damage.
- When the camera is unused for 5 minutes in the remote control mode, the zoom lens will be retracted to storage position and turn the power off to conserve battery.

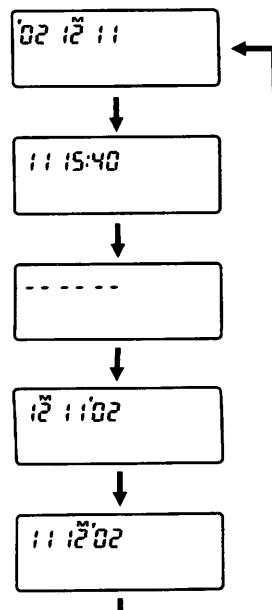
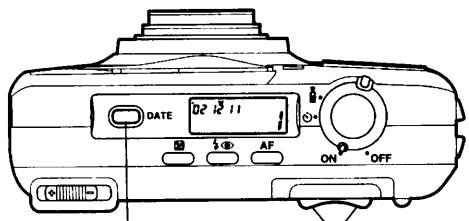
The last date a photograph was taken

When you turn the power on with the film loaded in the camera, the last date a picture was taken blinks on the LCD panel and then displays present date.

The last date will be indicated according to your selected date imprinting mode as follows.
 "yy/mm/dd", "dd/mm/mn" or "----" → "yy/mn/dd",
 "mm/dd/yy" → "mm/dd/yy",
 "dd/mm/yy" → "dd/mm/yy"

When the film is not loaded or a new film is loaded, "----" will be displayed.
 The time is not displayed.

4



4 IMPRINTING DATE/TIME

Selecting the Mode

Press the DATE button **A** to change the mode as shown in Fig. 4



Correcting the date and time

- 1 Press the Date button **A** for 3 seconds, the 'Year/Month/Day' digits and (DATE) will blink.
- 2 Each time the Date button **A** is pressed, the blinking digits changes in the following manner: Year → Month → Day → Hour → Minute, stop pressing the button when the desired digits appear to be corrected.
- 3 Press the Zoom button **B** to change the blinking digits.
- 4 Repeat 2. and 3. to change the date and time.

5 After adjusted all, press the DATE button **A** until blinking stops.

Note:

- 'M' above the digit indicates 'Month'.
- When the battery cover is opened or a new battery is installed, the time is set to 0:00.

5 VIEWFINDER DISPLAYS

5-1. Viewfinder displays

① Autofocus frame

Focus on the subject within this frame.

② Multi AF (WIDE) and SPOT

③ Multi AF (TELE)

④ Picture area

When taking a normal picture, compose your subject within this frame.

⑤ Close distance compensation frame

When the camera-to-subject distance is between 0.5 m (WIDE / 0.3) and 1.0 m, compose the scene within this frame.

⑥ Green icon lamp (Focus status)

When the shutter release button is pressed halfway down, the green icon lamp will light on or blink accordingly with the focus distance.

Focus distance 0.5 m (wide 0.3 m) - 1 m.....	
Approx. 1 m - 3 m.....	
Approx. 3 m - 5 m.....	
Approx. 5 m - infinity.....	
Close-distance warning.....	

(no warning at an extremely close distance)

The subject is difficult to autofocus.....

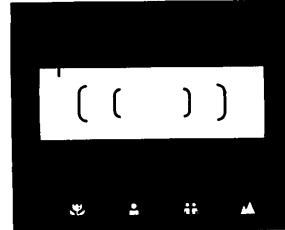
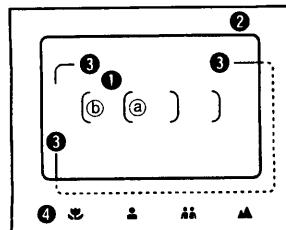
5-2. When the panorama switch is set to (), compose the scene within this frame.

AF illuminator: When the shutter button is pressed halfway down in low light condition, the flash discharges to provide illumination, making it easy for the autofocus to work.

5

5-1

5-2



6

6-1

ISO	24mm(105mm(
25	0.3-1.7m(1.0-5.6 ft)	0.5-0.75m(1.6-2.4 ft)
50	0.3-2.4m(1.0-7.9 ft)	0.5-1.0m(1.6-3.4 ft)
100	0.3-3.4m(1.0-11 ft)	0.5-1.5m(1.6-4.9 ft)
200	0.3-4.8m(1.0-16 ft)	0.5-2.1m(1.6-6.9 ft)
400	0.3-6.8m(1.0-22 ft)	0.5-3.0m(1.6-9.7 ft)
800	0.3-9.6m(1.0-32 ft)	0.5-4.2m(1.6-14 ft)
1600	0.3-13.5m(1.0-45 ft)	0.5-5.9m(1.6-19 ft)
3200	0.3-19.5m(1.0-63 ft)	0.5-8.4m(1.6-28 ft)

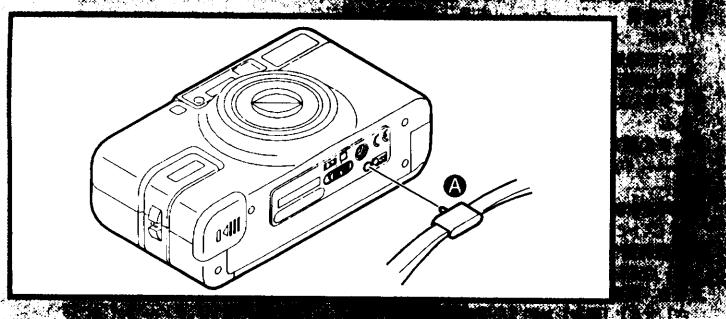
6 FLASH SHOOTING

6-1. Flash effective ranges

6-2. Red lamp indication

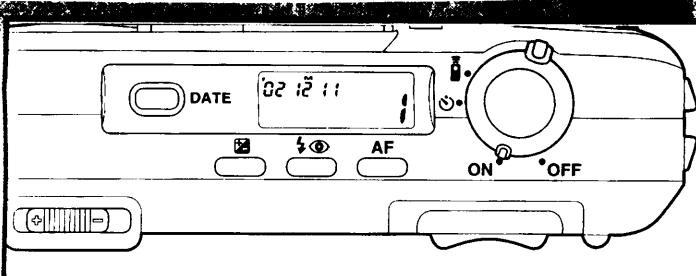
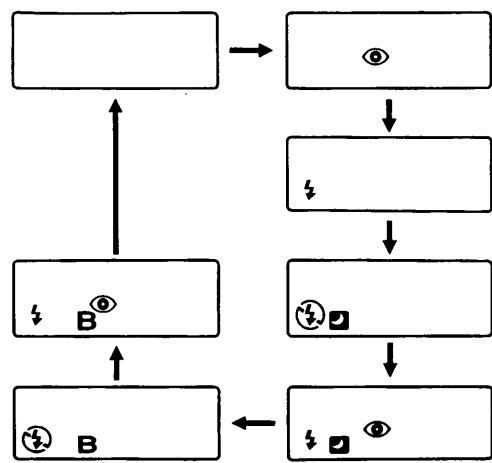
Lit : Flash is charged

Blinking : Flash is charging

7

7 REWINDING THE FILM IN MID-ROLL

Depress the mid-roll rewind button (Ⓐ) with the protrusion part Ⓐ of the strap clamp.

8**8-1**

8 TAKING PICTURES WITH VARIOUS MODES

8-1. EXPOSURE MODE

Press the Flash / Bulb button (↓ Ⓛ) to select the exposure mode.

1. AUTO Mode (Normal mode)

This mode is set by simply turn the Main / Drive switch to ON.
The flash will automatically discharge in low light conditions.

2. AUTO MODE / RED-EYE REDUCTION FLASH (ⓐ)

Normal mode with red-eye reduction flash discharges.

3. AUTO MODE / DAYLIGHT-FLASH ON (ⓑ)

The flash will always discharge in both dark and bright conditions.
This can be used when a portrait is taken with a back light situation or as a fill-in flash in daylight.

4. SLOW SHUTTER SPEED MODE

(Use of tripod is recommended)

- Slow shutter speed with Flash-OFF (ⓐ Ⓛ)

The flash will not discharge.
Use this mode in place where flash picture is prohibited or for a natural existing light effect in low ambient photography.

- Slow shutter speed with Red-eye reduction flash (↓ Ⓛ Ⓛ)

It is possible to take subjects and background in a balance way by using the flash to properly expose the foreground subject and slow speed to expose the low light background.

5. BULB MODE

(Use of tripod is recommended)

- Bulb mode with Flash OFF (ⓐ Ⓛ)

This mode is useful for longer exposures required for shooting fireworks and night scenes.

- Bulb sync. mode with Flash ON (↓ Ⓛ Ⓛ)

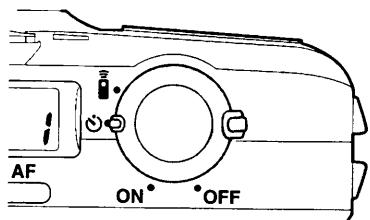
This lets you use the flash in addition to the Bulb mode, you can take a portrait picture with a night scene in the background.

Red-eye reduction Flash

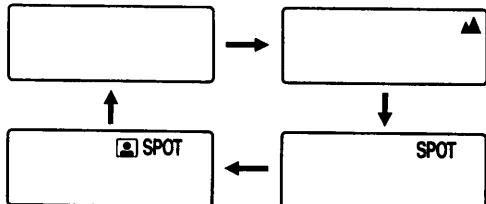
To reduce the red-eye phenomenon in the picture, the flash discharges once to make the subject's pupil smaller.

And then, take a picture in the flash mode after brief interval.

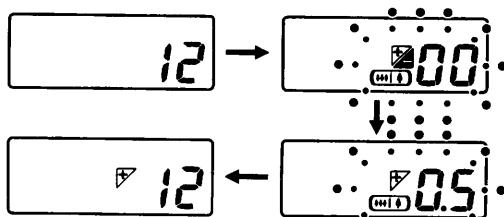
8-2



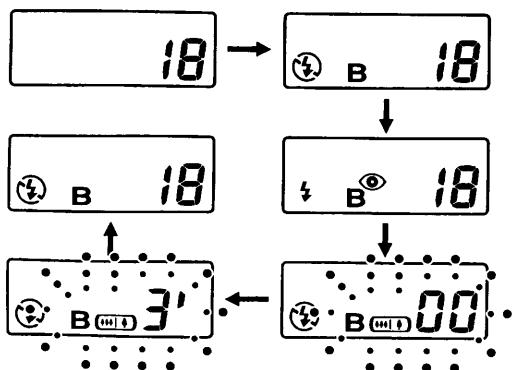
8-3



8-4



8-5



8-2. SHOOTING MODES

1. SELF-TIMER PHOTOGRAPHY

Turn the Main / Drive switch to the (⌚). Focus on the subject and press the shutter release button fully to start the self-timer. The picture will be taken 10 seconds after the shutter release button is pressed. The self-timer is engaged and the self-timer lamp lights. The picture is taken approx. 3 seconds after the self-timer lamp starts to blink.

2. REMOTE CONTROL MODE (Using optional remote control F)

Turn the Main / Drive switch to (⌚), the self-timer lamp starts to blink slowly. Press the shutter release button on the remote control unit. The self-timer lamp will blink rapidly and the picture will be taken after approx. 3 seconds.

8-3. AUTOFOCUS MODES

Press the AF button (AF) to select the desired mode.

1. Multi AF mode (No indication on the LCD panel)

Use this mode for ordinary taking pictures.

2. Infinity-Landscape mode (▲)

Use this mode to take a distant landscape or distant subject through a window.

3. Spot AF mode (SPOT)

Focus on the subject with center of AF frame. Use this mode to focus on a specific subject.

4. Portrait mode (▢ SPOT)

The camera will adjust zoom position to portrait proportions automatically at different distance when the shutter release button is pressed halfway down.

8-4. EXPOSURE COMPENSATION

Compensation ranges: -3.0 to +3.0 EV (0.5 steps)

1. Press the exposure compensation button, the exposure compensation mark (▢) and the zoom button mark (▢) and 0.0 on the LCD will blink.

2. Adjust the compensation Value to desired setting by pressing the zoom button while pressing the exposure compensation button.

• Turn the Main switch to off, the setting will be reset to 0.0.
• Press Wide to increase the brightness and Telephoto to decrease the brightness.

8-5. BULB TIMER MODE

Set the exposure time to 1 sec., 5 sec., 10 sec., 30 sec., 1 min., 2 min., 3 min., 4 min., and 5 min..

1. Set to the Bulb (▢ B) or Bulb sync. (▢ B) by pressing the Flash/Bulb button.

2. Set the sec. or Min. by pressing the zoom button while pressing the exposure compensation button.

• Turn the Main switch to off, the setting will be reset to the normal Bulb mode.

8-6. Other ways for shooting.

1. Focus-lock shooting

When the main subject is not in the focus frames.

1. Aim the focus frames to main subject and press the shutter release button halfway down.

2. While holding the shutter release button halfway down and then re-aim the camera to your desired compose, then press the shutter release button fully to take a picture.

2. Panorama format picture

Ideal for capturing breathtaking landscapes or eye-catching group pictures, can be selected for any frame with a simple slide of the panorama switch to (▢).